

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

- Claim 1 (Canceled).
- Claim 2 (Canceled).
- Claim 3 (Canceled).
- Claim 4 (Canceled).
- Claim 5 (Canceled).
- Claim 6 (Canceled).
- Claim 7 (Canceled Without Prejudice).
- Claim 8 (Canceled Without Prejudice).
- Claim 9 (Canceled Without Prejudice).
- Claim 10 (Canceled).
- Claim 11 (Canceled Without Prejudice).
- Claim 12 (Previously Presented) The process according to claim 19, wherein the binder is selected from organic and/or silicon-organic polymer resins.

Claim 13 (Canceled Without Prejudice).

Claim 14 (Canceled Without Prejudice).

Claim 15 (Canceled Without Prejudice).

Claim 16 (Canceled Without Prejudice).

Claim 17 (Canceled Without Prejudice).

Claim 18 (Canceled Without Prejudice).

Claim 19 (Currently Amended) In a process for producing a high temperature stable fiber composite ceramic by chemical vapor infiltration (CVI) with a methyltrichlorosilane (MTS) in hydrogen ( $H_2$ ) on fiber scrims of carbon fiber preforms or silicon carbide fiber preforms, wherein the partial pressure ratio of hydrogen to methyltrichlorosilane is adjusted between 4 and 8, the process further comprising:

adjusting the process pressure to  $\geq 0.6$  bar absolute;

adjusting the process temperature to  $\geq 1100^\circ C$ ; and

arranging a heat-resistant material with a large surface between a gas feed in the reaction space and the fiber scrims of carbon fiber preforms or silicon carbide fiber preforms to be infiltrated for pre-reacting the methyltrichlorosilane on contact with the large surface of the heat-resistant material, and wherein the carbon fiber preforms are or silicon carbide fiber preforms are generated in that fiber layers are first constructed, the fiber layers are fixed one above the other at a

distance from one another by binders and then simultaneously molding and stabilizing the preform approximating a desired end product.

Claim 20 (Canceled Without Prejudice)